

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 1 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 30, Lines 45-46

Replace " $R^3(C(R^8)_2)_q-CO_2H$ , and  $R^3(C(R^8)_2)_q-COQ$ " with --  $R^3-C(O)XR^8$ , wherein X is O and  $R^8$  is H, or  $R^3-C(O)Q$  --

Column 30, Line 47

Replace " $R^3(C(R^8)_2)_q-CO_2R^4$ . Compounds" with --  $R^3-C(O)XR^8$ , wherein X is O and  $R^8$  is lower alkyl. Esters --

Column 30, line 48

Replace " $R^3(C(R^8)_2)_q-CO_2R^4$ " with --  $R^3-C(O)XR^8$ , wherein X is O and  $R^8$  is lower alkyl --

Column 30, lines 49-50

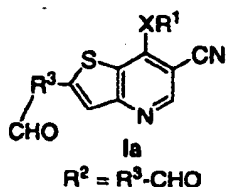
Delete "of formula Ia where the group  $R^2$  is  $R^3(C(R^8)_2)_q-CO_2H$ "

Column 30, line 53

Replace " $R^3(C(R^8)_2)_q-Q$ " with --  $R^3-C(O)Q$  --

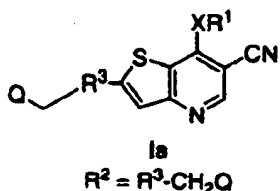
Column 30, lines 59-66, and column 31, lines 34-41

Replace formula Ia with:



Column 31, lines 2-9

Replace formula Ia with:



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

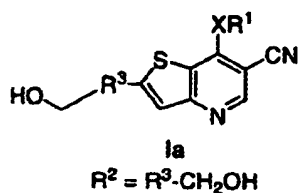
PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 2 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

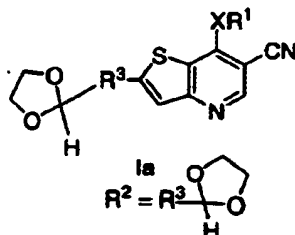
Column 31, lines 10-17

Replace formula Ia with:



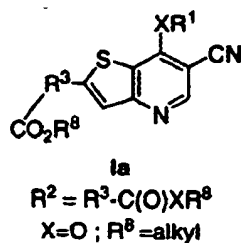
Column 31, lines 20-31

Replace formula Ia with:



Column 31, lines 44-51

Replace formula Ia with:



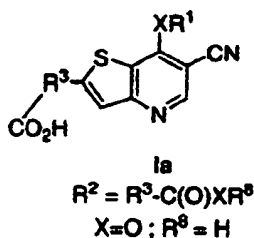
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
 APPLICATION NO. : 10/719359  
 DATED : January 17, 2006  
 INVENTOR(S) : Diane Harris Boschelli et al.

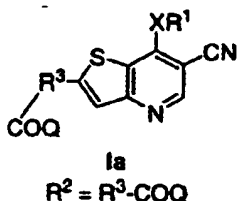
Page 3 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 31, lines 55-62  
 Replace formula Ia with:



Column 32, lines 2-10  
 Replace formula Ia with:



Column 38, lines 66-67  
 Replace "R<sup>3</sup> substituted with (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-CO<sub>2</sub>H, and (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-COQ" with  
 -- R<sup>3</sup>-C(O)XR<sup>8</sup>, wherein X is O and R<sup>8</sup> is H, or R<sup>3</sup>-C(O)Q --

Column 39, lines 1-2  
 Replace "R<sup>3</sup> substituted by (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-CO<sub>2</sub>R<sup>4</sup>. Compounds" with -- R<sup>3</sup>-C(O)XR<sup>8</sup>, wherein  
 X is O and R<sup>8</sup> is lower alkyl. Esters --

Column 39, line 3  
 Replace "R<sup>3</sup> substituted with (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-CO<sub>2</sub>R<sup>4</sup>" with -- R<sup>3</sup>-C(O)XR<sup>8</sup>, wherein X is O and  
 R<sup>8</sup> is lower alkyl, --

Column 39, lines 4-5  
 Delete "of formula Ib where the group R<sup>2</sup> is R<sup>3</sup> substituted by (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-CO<sub>2</sub>H"

Column 39, lines 8-9  
 Replace "R<sup>3</sup> substituted with (C(R<sup>8</sup>)<sub>2</sub>)<sub>q</sub>-COQ" with -- R<sup>3</sup>-C(O)Q --

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

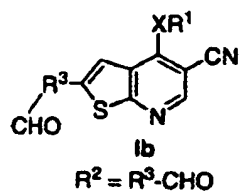
PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 4 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

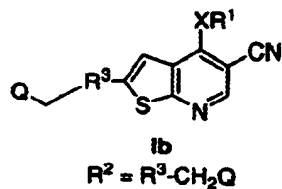
Column 39, lines 15-22 and lines 50-57

Replace formula Ib with:



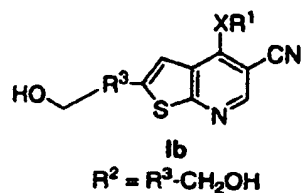
Column 39, lines 23-30

Replace formula Ib with:



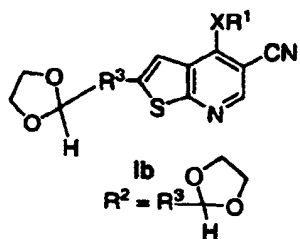
Column 39, lines 31-38

Replace formula Ib with:



Column 39, lines 39-49

Replace formula Ib with:



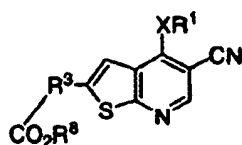
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 5 of 13

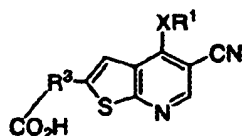
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 39, lines 59-66  
Replace formula Ib with:



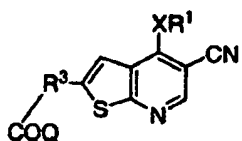
Ib  
 $R^2 = R^3-C(O)XR^8$   
 $X=O$  ;  $R^8 = \text{alkyl}$

Column 40, lines 2-10  
Replace formula Ib with:



Ib  
 $R^2 = R^3-C(O)XR^8$   
 $X=O$  ;  $R^8 = H$

Column 40, lines 14-22  
Replace formula Ib with:



Ib  
 $R^2 = R^3-COQ$

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

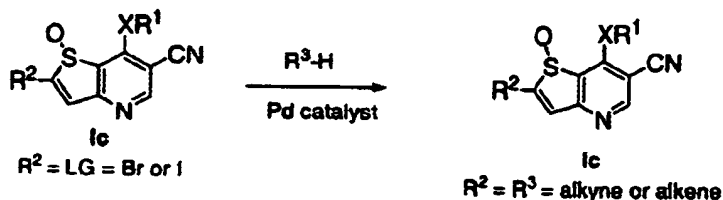
PATENT NO. : 6,987,116 B2  
 APPLICATION NO. : 10/719359  
 DATED : January 17, 2006  
 INVENTOR(S) : Diane Harris Boschelli et al.

Page 6 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

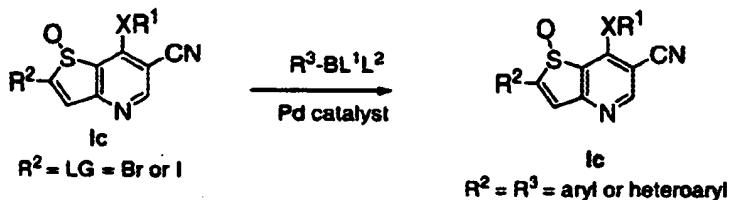
Column 42, lines 21-28

Replace chemical equation with:



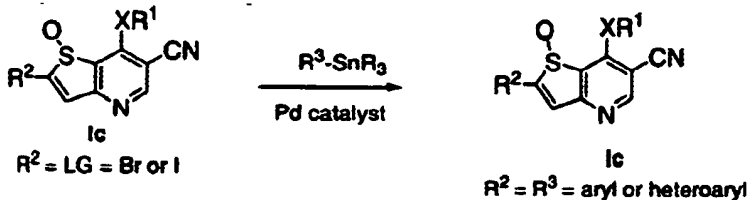
Column 42, lines 31-38

Replace chemical equation with:



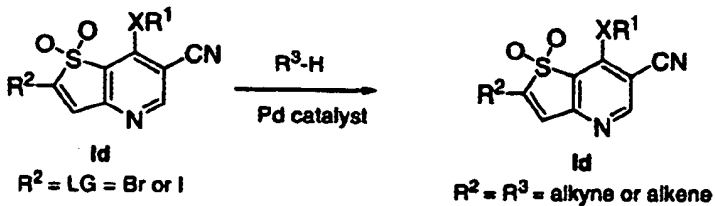
Column 42, lines 39-45

Replace chemical equation with:



Column 45, lines 10-16

Replace chemical equation with:



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

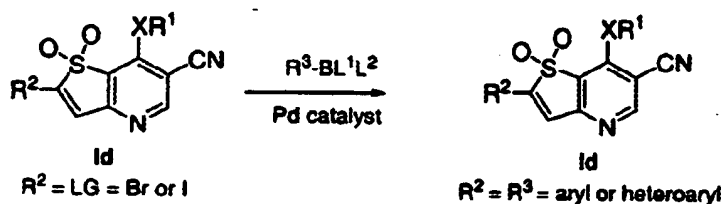
PATENT NO. : 6,987,116 B2  
 APPLICATION NO. : 10/719359  
 DATED : January 17, 2006  
 INVENTOR(S) : Diane Harris Boschelli et al.

Page 7 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

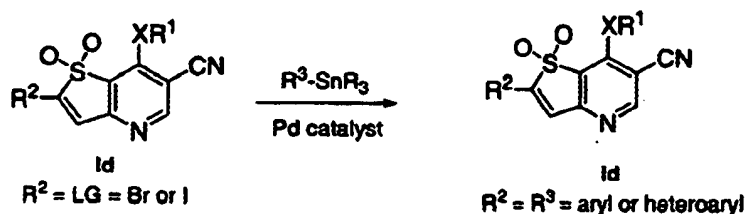
Column 45, lines 17-24

Replace chemical equation with:



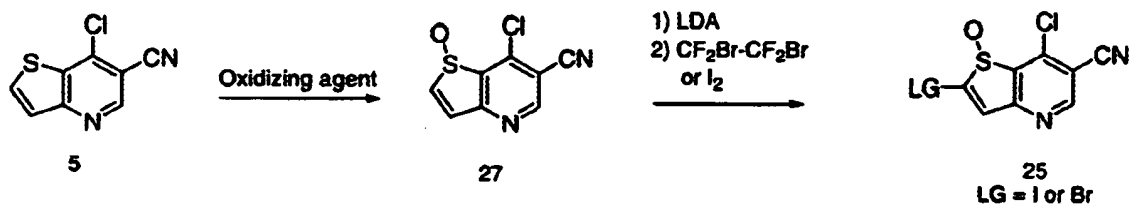
Column 45, lines 25-31

Replace chemical equation with:



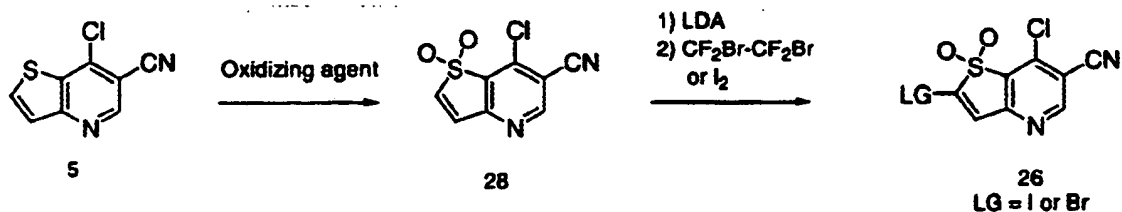
Column 46, lines 20-40

Replace chemical equation with:



Column 46, lines 41-54

Replace chemical equation with:



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

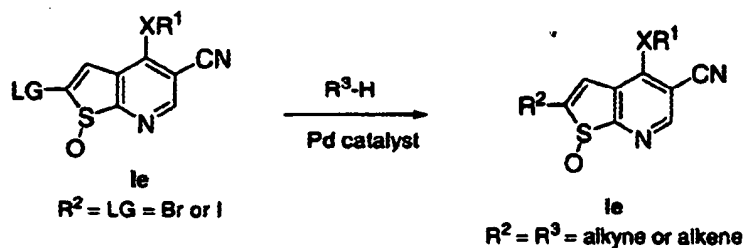
PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 8 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

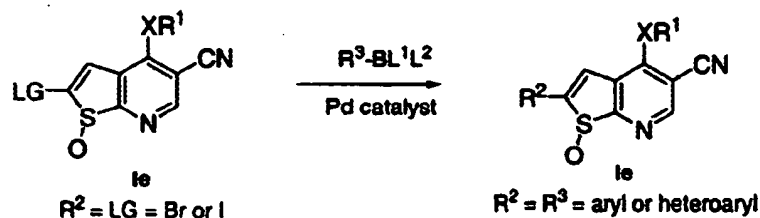
Column 48, lines 50-57

Replace chemical equation with:



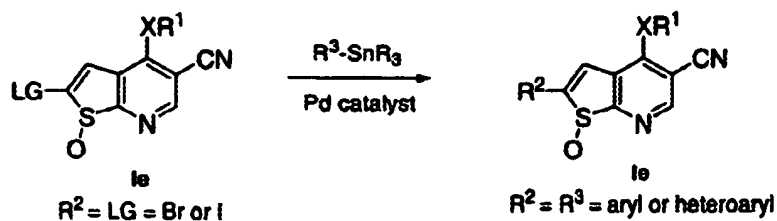
Column 48, lines 58-66

Replace chemical equation with:



Column 49, lines 2-10

Replace chemical equation with:





UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

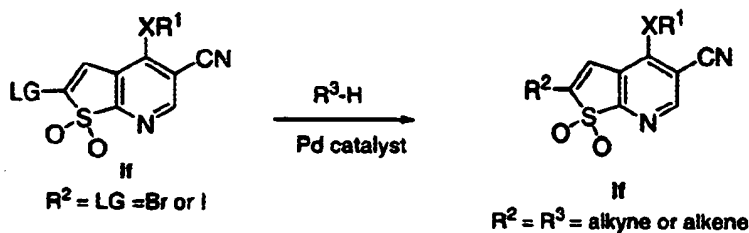
PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 9 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

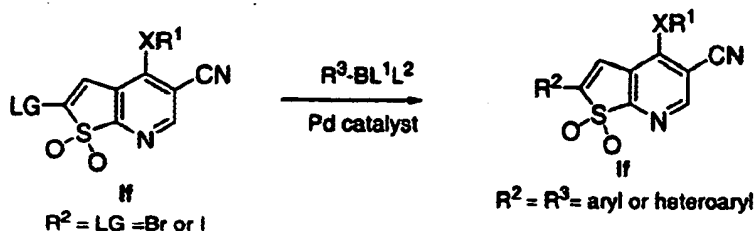
Column 51, lines 31-39

Replace chemical equation with:



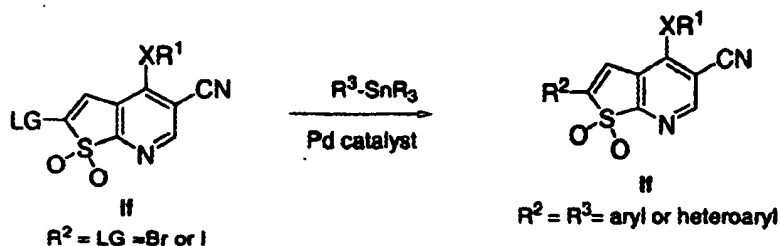
Column 51, lines 40-48

Replace chemical equation with:



Column 51, lines 49-57

Replace chemical equation with:



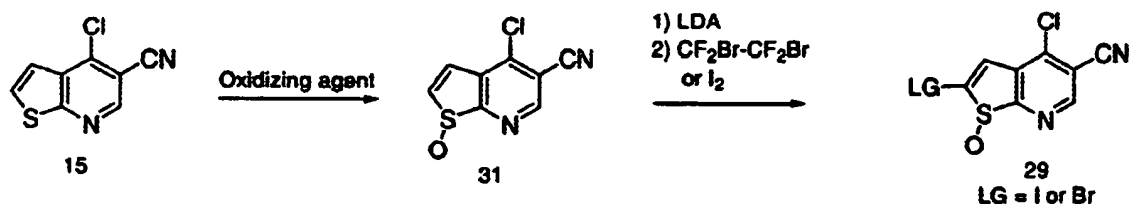
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
 APPLICATION NO. : 10/719359  
 DATED : January 17, 2006  
 INVENTOR(S) : Diane Harris Boschelli et al.

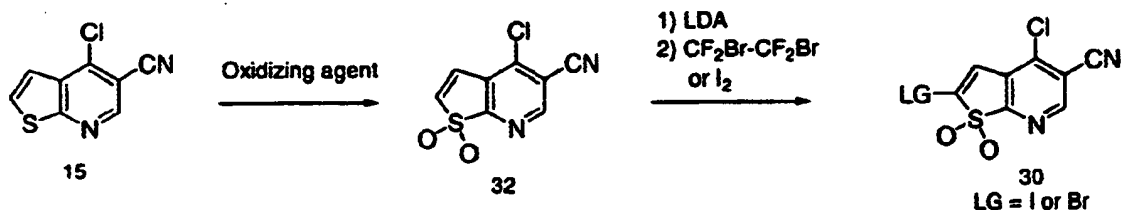
Page 10 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

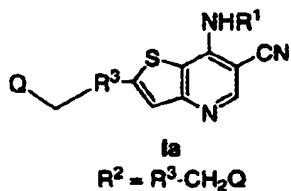
Column 52, line 52, through column 53, line 9  
 Replace chemical equation with:



Column 53, lines 10-26  
 Replace chemical equation with:



Column 56, lines 38-65  
 Replace bottom left formula in Scheme 17 with:



Column 107, lines 43-44

Replace " $-(\text{C}(\text{R}^3)_2)_q\text{XR}^8$ ,  $-(\text{C}(\text{R}^3)_2)_q\text{Q}$ ,  $-\text{X}(\text{C}(\text{R}^3)_2)_n\text{XR}^8$ ,  $-\text{X}(\text{C}(\text{R}^3)_2)_n\text{Q}$ , or  $-\text{X}(\text{C}(\text{R}^3)_2)_q\text{R}^8$ " with --  $-(\text{C}(\text{R}^9)_2)_q\text{XR}^8$ ,  $-(\text{C}(\text{R}^9)_2)_q\text{Q}$ ,  $-\text{X}(\text{C}(\text{R}^9)_2)_n\text{XR}^8$ ,  $-\text{X}(\text{C}(\text{R}^9)_2)_n\text{Q}$ , or  $-\text{X}(\text{C}(\text{R}^9)_2)_q\text{R}^8$  --

Column 108, line 26

Replace " $-(\text{C}(\text{R}^9)_2)_n\text{XR}^3$ " with --  $-(\text{C}(\text{R}^9)_2)_n\text{XR}^4$  --

Column 108, line 27

Replace " $-(\text{C}(\text{R}^9)_2)_q\text{XR}^3$ " with --  $-(\text{C}(\text{R}^9)_2)_q\text{XR}^4$  --

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 11 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 108, line 35

Replace "and" with -- or --

Column 109, line 5

Replace " $-(CH^2)_qNR^4R^8$ " with --  $-(CH_2)_qNR^4R^8$  --

Column 109, line 11

Replace " $-NH(CH_2)_nCR^8$ " with --  $-NH(CH_2)_nNR^4R^8$  --

Column 109, line 32

Replace " $-(CH_2)_nOR^3$ " with --  $-(CH_2)_nOR^4$  --

Column 109, lines 33-34

Replace " $-(CH_2)_qOR^3$ " with --  $-(CH_2)_qOR^4$  --

Column 117, line 3

Replace "carbonite" with -- carbonitrile --

Column 117, line 67

Replace " $-(CH_2)_nOR^3$ " with --  $-(CH_2)_nOR^4$  --

Column 118, lines 1-2

Replace " $-(CH_2)_qOR^3$ " with --  $-(CH_2)_qOR^4$  --

Column 118, line 10

Replace "and iodo" with -- or iodo --

Column 119, line 36

Replace "carbonite" with -- carbonitrile --

Column 121, line 67

Replace "and" with -- or --

Column 122, line 51

Replace " $-R_5NR_4C(O)NR^4R^4$ " with --  $-R^5NR^4C(O)NR^4R^4$  --

Column 123, line 11

Replace " $-S(O)R_mR^4$ " with --  $-S(O)_mR^4$  --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 12 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 123, line 41

Replace " $-(C(R^9)_2)_nXR^3$ " with --  $-(C(R^9)_2)_nXR^4$  --

Column 123, line 42

Replace " $-(C(R^9)_2)_qXR^3$ " with --  $-(C(R^9)_2)_qXR^4$  --

Column 123, line 46

Replace "Z' and Z'''" with-- Z'' and Z''' --

Column 123, line 50

Replace "and iodo" with -- or iodo --

Column 130, line 1

Replace "and" with -- or --

Column 130, line 43

Replace "group may by one groups" with -- wherein the  $R^3$  group may be substituted by one or more groups --

Column 130, line 44

Replace " $-C(O)XR^6$ " with --  $-C(O)XR^8$  --

Column 130, line 66

Replace " $-(C(R^9)_2)_nXR^3$ " with --  $-(C(R^9)_2)_nXR^4$  --

Column 130, line 67

Replace " $-(C(R^9)_2)_qXR^3$ " with --  $-(C(R^9)_2)_qXR^4$  --

Column 131, line 4

Replace "Z' and Z'''" with -- Z'' and Z''' --

Column 131, line 8

Replace "and iodo" with -- or iodo --

Column 131, line 33

Replace "and" with -- or --

Column 131, line 65

Replace " $-NH(CH_2)_nOR^6$ " with --  $-NH(CH_2)_nOR^8$  --

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,987,116 B2  
APPLICATION NO. : 10/719359  
DATED : January 17, 2006  
INVENTOR(S) : Diane Harris Boschelli et al.

Page 13 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 132, line 1

Replace " $-\text{NH}(\text{CH}_2)_n\text{CR}^8$ " with --  $-\text{NH}(\text{CH}_2)_n\text{NR}^4\text{R}^8$  --

Column 132, line 25

Replace " $-(\text{CH}_2)_n\text{OR}^3$ " with --  $-(\text{CH}_2)_n\text{OR}^4$  --

Column 132, lines 26-27

Replace " $-(\text{CH}_2)_q\text{OR}^3$ " with --  $-(\text{CH}_2)_q\text{OR}^4$  --

Column 132, line 35

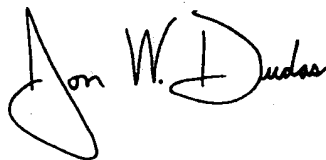
Replace "and iodo" with -- or iodo --

Column 134, line 26

Replace "carbonite" with -- carbonitrile --

Signed and Sealed this

Seventh Day of November, 2006



JON W. DUDAS

*Director of the United States Patent and Trademark Office*